

212-214 HIGH HOLBORN GREEN / BLUE ROOF PROPOSAL

The roof to the rear extension, can accommodate a green / blue roof system as proposed, based on a system similar or equal to the Bauder Blue Storm Sub build up shown.

Though indicative, a system of this nature adds various benefits including enhanced biodiversity and significant flood attenuation, as described.

Given the inherent performance of this system, an additional retention tank is not required.

Indicative STORMsub blue roof system



BauderBLUE STORMsub System

1. Vegetation Layer
2. Substrate
3. Filtration layer
4. Attenuation
5. Drainage board
6. Protection Layer
7. Underlying Waterproofing
8. Flow Restrictor

Note:
Layers "1. Vegetation" and "2. Substrate" to be replaced with gravel in the Access & Maintenance Zone

TOTAL WATER HOLDING CAPACITY:

8,470 LITRES (APPROX.)

Characteristics of the system

- Primarily used when Biodiversity and habitat creation are the primary goals, such as for BREEAM or to comply with a local planning requirement.
- Environmentally friendly system using 84% less plastic than attenuation crates.
- Bauder RE 40 drainage board and ST flow restrictor are made from 100% recycled plastic.
- Provides an effective SuDS solution with good water holding capacity (over 55 l/m²) per 100mm layer of SUB-RE UK blue roof substrate. Typically, up to 300mm depth of substrate can be used.
- Fully integrated system that enables a single source for all waterproofing and green roof products
- The BauderBLUE STORMsub system can be used with other Bauder systems such as sedum and wildflower green roofs.
- System can be laid on the following Bauder waterproofing solutions: Bituminous Membrane, Hot Melt systems.
- Comprehensive system guarantee packages including waterproofing and blue roof performance to meet project requirements. Bauder's "Green Roof Promise" is available for this system.

BauderBLUE STORMsub System Reference:

<https://www.bauder.co.uk/green-and-blue-roofs/blue-roofs/stormsub>

